

17. THE UTILITY OF DASH AND MICHIGAN SCORES IN DUPUYTREN'S CONTRACTURE

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Introduction. Palm fascia fibromatosis is a benign fibro-proliferative tumor (ICD - 10, M 72.0 Dupuytren's contracture (disease)). A severe form of finger contracture in Dupuytren's disease often treated with surgery based on measuring the severity of finger flexion contracture (by Alberton et al. 2014; Broekstra et al. 2015; Kang et al. 2014).

Aim of study. Establishing the clinical relationship of DASH Michigan questionnaires with the clinical status of Dupuytren's contracture (DC).

Methods and materials. We have proposed a study of patients with DC which consecutively was treated in the Department of Hand Surgery Department, Clinical Hospital Traumatology and Orthopedics, Chisinau in the period 2021. Primary outcomes were determined by using Disabilities of Arm and Shoulder and Hand (DASH) score and the Michigan Hand Outcomes Questionnaire. Results were shown as mean with standard deviation.

Results. From 86 patients the average per group of DASH(D) and Michigan(M) Questionnaire were $30,6 \pm 8,3$ and $72,7 \pm 9,1$. When was affected only one hand, in left part the scores of D and M were (24,14%; 21 cases) $26,3 \pm 9,4$ and $75,6 \pm 7,5$, in the right part (32,18%; 28 cases) $32,25 \pm 9,1$ and $69,8 \pm 9,7$. In cases with bilateral DC (43,68%; 38 patients) the scores of D and M were $31,8 \pm 6,5$ and $73,3 \pm 9,2$. According by stages the scores of D and M were: II (35 cases; 40,23%) $26,5 \pm 8,8$ and $74,5 \pm 9,4$; III (49 cases; 56,32%) $33,3 \pm 7,1$ and $71,9 \pm 9,1$; IV (3 cases; 3,45%) $35,4 \pm 2,5$ and $65,4 \pm 0,58$. By gender scores of D and M were: male (68 cases; 78,2%) $29,8 \pm 8,2$ and $73,6 \pm 9,3$; female (19 cases; 21,8%) $33,5 \pm 8,4$ and $69,8 \pm 8,3$. The average age of the group is $57,83 \pm 10,2$. Population from rural(49cases; 56,32%) zone scores of D and M show $31,4 \pm 8,2$ and $72,6 \pm 10,02$, but for urban zone (38 cases; 43,68%) $29,53 \pm 8,5$ and $72,95 \pm 8,1$.

Conclusions: In clinical examination of the patients with DC it is advisable to include Disabilities of Arm and Shoulder and Hand (DASH) score and the Michigan Hand Outcomes Questionnaire because they have measurable data that can be compared with posttreatment methods of DC.